WIX1002 Fundamentals of Programming
Tutorial 2 Java Fundamental

1. Display the sentence Faculty of Computer Science and Information Technology.
   a. In one line using multiple Java statements
   b. In multiple lines using one Java statement

2. Write a Java statement that print "SDN" - Software-defined networking

3. Correct the error for the following statements.
   a. System.Println("Java Programming");
   b. System.in.println("Introduction to Java!")
   c. System.out.println("\t is the horizontal tab character");
   d. system.out.println("Java is case sensitive!");

4. Write statements for each of the following
   a. Declare a variable that used to store the value of a matric number.
   b. Declare a variable that used to store the value of π.
   c. Initialize a variable named M with the value set to false.
   d. Initialize a variable named P with the value set to 8800000000.
   e. Initialize a variable named letter with the value set to U.
   f. Declare a constant variable named PRO. The value of the constant variable is Java.

5. Correct the error for the following statements.
   a.
   ```
   final double AMOUNT = "32.5";
   AMOUNT += 10;
   System.out.println("The amount is " + AMOUNT);
   ```

   b.
   ```
   string chapter = 'Summary';
   System.out.println(chapter);
   ```

   c.
   ```
   int num;
   ++num++;
   num1 = num;
   ```

   d.
   ```
   int num = 3000;
   System.out.printf("%4.2f\n", num);
   ```

   e.
   ```
   String contact;
   ```

```
Scanner keyboard = new Scanner(System.out);
contact = keyboard.nextLine();
```

6. Write a java program that print the circumference of a circle. The input of the program is diameter. Display the result in three decimal places. (Note π = Math.PI)

   Enter diameter: 11.8
   The circumference of the circle is : 37.071

7. Write a java program that converts inches to meters. (Given 1 inch equals to 2.54 centimeters). Print the output in two decimal places.

   Enter value in inch: 20.17
   20.17 inches = 0.51 meters